TGGATCAGATAAAGTTTGTAAAGA

ATGACAAAGAAAATGAGAAGAGTGGGCAAGTACGAGGTTGGTCGCACAATAGGTGAAGGAACCTTTGCTAAGGTTAAG > ¥ Œ 0 ليا 0 щ α 9 ليا T.K.K.M.R.R.V.G.K

ITTGCGAGGAACACACACACTGGTGATAATGTAGCCATCAAAATTATGGCTAAGAGTACAATACTTAAGAACAGAATG 27

Σ α Z \checkmark S ∀ Y Σ 스 A FARNTDTGDN

GTTGATCAGATAAAAGAGAGATATCTATAATGAAGATTGTTCGTCACCCGAACATAGTGAGGTTGTATGAGGTGTTG 53

لبا α Н z L エ œ \leq $\mathbf{\Sigma}$ V D Q I K R E I S I -- III --

TGGAGTTTGTGACAGGAGGAGCTCTTTGATAGAATTGTTCATAAAGGG GCGAGTCCTTCGAAAATATATATAGTTT

9 \checkmark 工 α $\dot{\Box}$ ستا ш ی 9 ٔ لیا P S K I Y I V L S 79

AGGCTTGAAGAAGTGAGTCTCGGAAATAC⁻

9 \checkmark ٥ エ C 工 ⋖ Ø \Box > C CS RLEESESRKY 105

TACCACCGTGACCTAAAGCCAGAAATCTTTACTCGATACAAATGGAAATCTGAAGGTTTCGGATTTCGGACTCAGT

5 _ ~ Z 0 Z 131 Y H R D L K P E N L GCATTGCCTCAGGAAGGAGTAGAACTTCTGCGTACCACATGTGGAACTCCGAACTATGTAGCTCCAGAGGTACTTAGT

<u>ت</u> A > Z ۵ 0 ပ œ A L P Q E G V E L L 157

FIG. 2B(1)



GGACAGGGTTACGATGGTTCAGCAGCTGATATTTGGTCTTGCGGGGTTATTCTTTCGTTATATTGGCTGGATATTTA 9 Œ > 0 ں S _≩ G Q G Y D G S A A D 183

TGTACAGAAAAATGCAGCAGAGTTTTCTTGTCCACCGTGGTTTTCC CCTTTTCCGAGACGGATCTTCCAGGGT

م \bigcirc 5 ш Œ ⋖ Z \checkmark α PFSETDLP6L 209

3

۵

GCAGAAGTGAAGTTTTAATACATAGGATACTTGACCCCAATCCCAAAACACGTATTCAAATTCAAGGAATCAAGAAA 235

 \checkmark \checkmark 9 CS Н CS α \checkmark ۵. Z X 屲 EVKFLIHRI

CTATACGAGCAAGGAAGAAGAAGAAGTGAATTTGGATGATATTCGTGCA GATCCTTGGTTCAGATTAAATTATGTGC

œ Z > ш ш لتا ليا α Ø α D P W F R L N Y V P 261

GTTTTGATGGAATTGAGGGCAGTTATGTAGCGGAGAATGTAGAGAAATGATGAAGGGCCCCTGATGATGATGCC V F D G I E G S Y V 287

 \triangleleft Z \sum Σ _ 9 لبا Z œ ليا Z لبا Œ

 \bigcirc α \checkmark C α α \Box Ø 5 Z FEMIT LSQ6L

TTGAGATGATTACCTTATCACAAGGCTTAAATTTATCTGCACTATTTGACAGGCGACAGGATTTTGTTAAAAGGCAA

ACCCGTTTTGTTTCTCGAAGGGAACCTAGTGAGATAATTGCTAACATTGAGGCTGTAGCGAACTCAATGGGTTTTAAG G Σ 5 Z Œ Œ ليا Z Ø لبا TRFVSRREPS

FIG. 2B(2)



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TCGAGGGATTATCTTCGATCAAGGCCGGACAGTTAGCTGTTGTGATAGAG 365 S H T R N F K T R L TCTCATACACGAAACTTCAAGACAAGGC

9

TGGTAGACGTAAGAAGGCTGCTGGTGAAACTCTTGAATATCACAAGTT IYEVAPSLFM ATTTACGAGGTGGCACCATCGCTTTTCA

ACATAATATGGAGGGCAACAGAAGGAATACCAAAGTCAGAGATTCTCAGA

ليا 5 \leq ۵ ب ليا Œ α 3 TACAAGAAGCTATGTTCGAAACTGGAAAA 417 Y K K L C S K L E N

 α

ACAATCACGTTTTGATCCCAACTTAA



FIG. 3A



<u>I</u>EAVANSMGFIK 332 389 371 SBS2 CHK1 CHK1

SDS2 CHK1 CHK1

FIG. 3B



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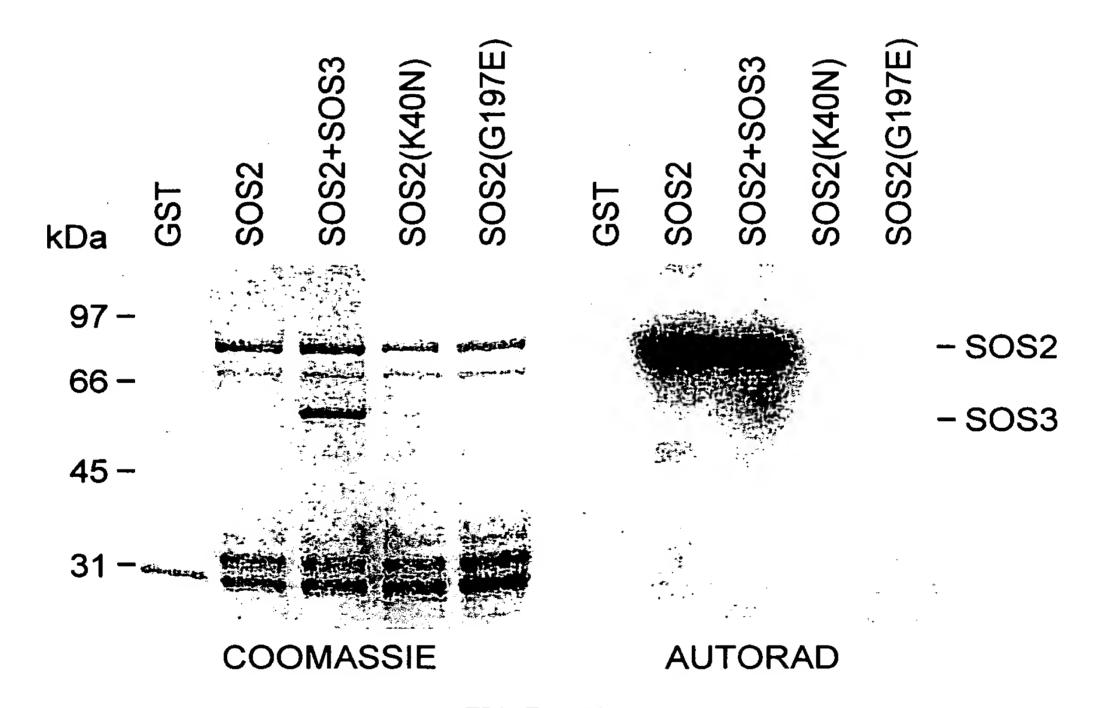


FIG.4





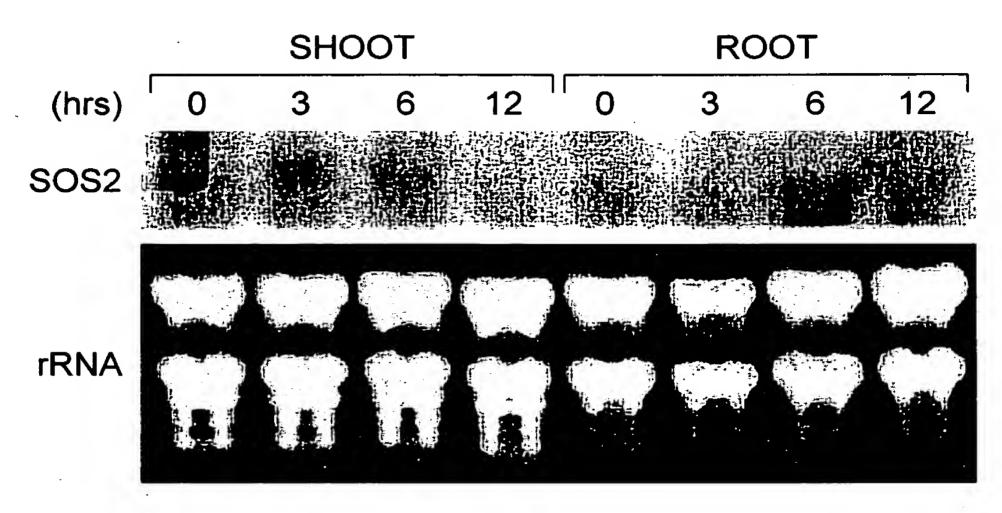


FIG.5A

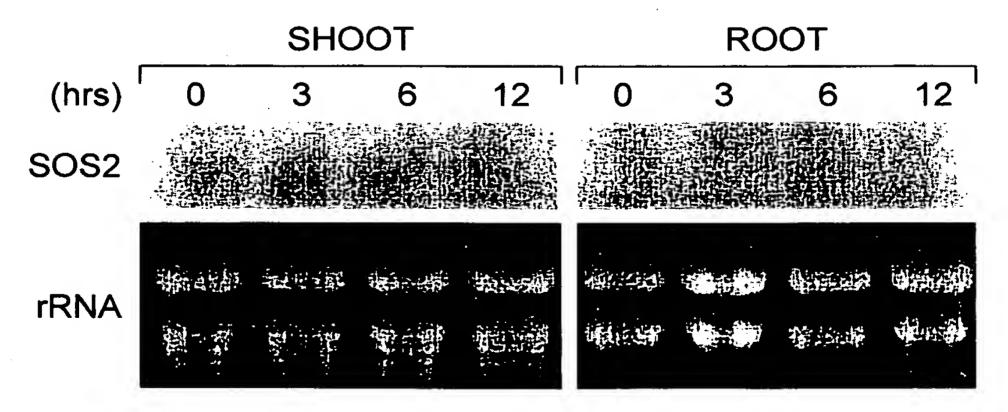


FIG.5B